

Course Description – Winter 2024/25

Title	Image Processing I and Compression Standards (ImProc1)
Faculty	Computer Science
Professor	Prof. Dr. Klaus Chantelau
ECTS	5
Level	Master, Bachelor (with prerequisites)
Requirements	Open for Bachelor or diploma students with basic knowledge in linear algebra and analysis and solid programming skills in Java.
Add. Information	
Content	Students learn the foundations of the compression of audio-visual signals and the structure of audio-visual digital standards (G7xx, mp3, GIF/PNG, JPEG, H26x, MPEG1 / 2 / 4) and apply the most important mathematical and algorithmic methods for the development and implementation of compression software modules.